RELEASE NOTES - OPUP BUILD 8.0

Enhancements and Change Information for OPUP Build 8.0

This page contains the enhancement and change information occurring with OPUP Build 8 software. The remainder of the document contains minor problems along with workarounds, solutions, and explanations of functionality .

OPUP Software Build 8 provides the following enhancements:

- Adds the following clutter products:
  - • Clutter Likelihood Reflectivity (CLR)
  - • Clutter Likelihood Doppler (CLD)

- Enhances Clutter Filter Control (CFC) product to support ORDA

- Adds a User Selectable Layer Composite Reflectivity product

- Adds Composite Reflectivity Edited for AP (4 new products)

- Updates the OPUP virus scanning software

- Updates the Solaris Operating System with the latest security patches

- Redesign of the RPG Status window

- When selecting products, individual elevation angles now display as a range.

NOTE: Adaptation Data and Configuration Data from Build 6 and earlier are NOT compatible with Build 8.

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1 Dial Issues

1.1 Small OPUP Dial Access.

Problem: Currently, Small OPUPs are granted dial access to their associated RPGs, ONLY.

There are two AFWA dial-in ports available on each RPG. The first port has been converted to TCP/IP protocol to comply with the OPUP communications protocol. This port is maintained to support the dial access requirements of the OWS (Large) OPUPs. The second port, which will be shared by the Small OPUP fleet, is still X.25 protocol (legacy PUP protocol) and will not be converted until early CY2006 as part of the final AFWA OPUP deployment/implementation. Until this conversion occurs, the single TCP/IP port must be shared by the OWS (Large) OPUPs and the CWT (Small) OPUPs. Therefore, to reduce port access conflicts, each Small OPUP will only be granted access to their associated RPG to be used as a backup for their dedicated connection.

Solution: As part of the final AFWA Small OPUP deployment, the second AFWA dial port will be converted to TCP/IP. Target time period is early CY2006.

1.2 Assign RPGs to the AOR Sort List.

The OPUP provides three sort routines (Dedicated, AOR, and All Others) to more easily specify a source RPG.

Problem: The OPUP's AOR sort listing on the Product Display, Product Request, and Auto Dial GUIs may not contain all the desired RPGs.

Solution: The procedure provided at Attachment 1 outlines a process to specify those RPGs desired for listing in the AOR sort.

1.3 Dial Access Restrictions.

Problem: The current All Others (dial) RPG drop down dialog box contains a listing of all WSR-88D RPGs, including testbed assets and overseas sites, regardless of whether or not the individual OPUP has dial access.

Solution: In a future build, the sorting routines will be updated to limit the entries in the dial RPG listing to those RPGs the OPUP has been granted dial access.

2 Product Display GUI Anomalies

2.1 Link Cursor Readout

Problem: When the Link Cursor function is used the readout for the cursor locations from different display windows may not match, particularly if the display windows are of a different size.

Solution: Linked cursors will be in sync when windows are the same size.

2.2 Auto Update of Products Doesn't Always Update.

Problem: A problem exists whereby the OPUP server event posting software and the workstation event registration software gets out of sync. When this occurs events posted by the server may not be "heard" by the workstation. When this occurs, the Auto Update feature does not "hear" the receipt of new products and does not automatically update the display. In Build 8, changes were made to help prevent this from occurring. However, under some circumstances this problem may still occur.

Solution: The procedure provided in Attachment 2 outlines a process to synchronize the OPUP sever and workstation event processing software. The permanent fix for this problem is scheduled for a later build.

2.3 Inactive Alerts on Active Alert Acknowledge dialog

Problem: Inactive alerts sometimes display as active.

Solution: Operators should be aware that the alerts displayed are not always active alerts. This will be corrected in Build 9.

2.4 New "Range" of Elevation Angles Not Consistent

Problem: On the product request GUI, the "Edit Product" section shows elevation angles as ranges. However, the "Product to Request" section shows the "elev" column data as a specific elevation angle.

Solution: The operator should be sure that they request all desired elevation angles. This will be corrected in Build 9.0

3   Background Maps

3.1   No Background Maps Associated with New Products

Problem: In Build 8, OPUP added the capability of displaying several new products. However there are no background maps associated with these products, (i.e., CLR, CLD, ULR or CPE).

Solution: To associate maps with the new products, perform the following:

1. At the Status and Control GUI, select **Adaptation** from the menu bar. The Adaptation GUI displays.

2. On the Adaptation GUI, select the **Maps** tab.

3. Select the **Lock** icon in the upper right and login at "level 2". The **Lock** icon turns yellow.

4. Highlight the desired product and select the left pointing (←) blue arrow.

5. Highlight the desired maps and select the right pointing (→) blue arrow. [Note: Additional maps may be selected, if desired, by holding down the **<Ctrl>** button and clicking the map name.]

6. Repeat Step 5 for additional new products

7. Select the **Save** button [the floppy icon] on the right side of the window to save this change.

8. Close the Adaptation GUI by selecting the double red arrow (→→) in the lower right hand corner.

3.2   Creating or Editing Custom Background Maps

Problem: The Status & Control "Map Edit" interface allows you to add new, custom, Background Maps. If these are created while logged in as a regular user, the maps will not be displayable.

Solution: While you can create and edit Custom Background Maps while logged in as opupmgr, a more complete solution is to perform the following:

1. Log in as opupmgr

2. Right click on the desktop and select **Tools**, then **Terminal**

3. In this terminal window,
   enter:
   chmod –R 775 /opupdata/Map/*/Edit*<Enter>

You will now be able to create and edit Custom Background Maps as a regular user. This problem will be corrected in Build 9.

4   Archive Anomalies

4.1   Archive GUI Anomalies

Problem: On the Archive GUI, you can select multiple RPGs to be included in a single archive data set. However, you can only select the number of RPGs that your OPUP has dedicated connections to. For example: If your OPUP has 10 dedicated RPGs, then you can only select 10 RPGs to be included in a single archive set. This would mostly be a problem if you are archiving data from dial-up RPGs.

Workaround: To archive data from more RPGs, simply create a new archive set.

Solution: This will be corrected in Build 9.

5   EPSS Discrepancies

5.1   Reference to obsolete "Change Password" Option

Problem: References to the obsolete "Change Password" option remain in the OPUP EPSS. OPUP EPSS reference graphics associated with OPUP Control procedures still show "Change Password" as a valid option. Additionally, the OPUP EPSS index contains a link to the Change Password procedure. The "Change Password" option was removed from the software in build 7.

Solution: All references to the "Change Password" option in the EPSS will be removed in Build 8.

NOTE: Adaptation Data and Configuration Data from Build 6 and earlier are NOT compatible with Build 8.

Attachment 1

Procedure to Add (or Delete) RPGs to AOR Sort

1. Log in as opupmgr.

2. Launch the OPUP Manager Main Menu.

3. Click the **OPUP Software Menu** button.

4. Select the **Edit OPUP Adaptation Data** button. The `Edit RPG Adaptation Data` menu is displayed.

5. Select the desired RPG from the scrollable listing, then click the **Edit** button. The specific dial information for the selected RPG is displayed in an editable window.

6. To <u>Add</u> RPGs: Change the `PUPaor` to "y" in the first line and change the `PUPaor` to "no"" in the second sentence.

    To <u>Delete</u> RPGs: Uncheck the AOR option.

7. Click the **Save** button. The screen is refreshed back to the `Edit RPG Information from List ...` menu.

8. If additional RPGs need to be assigned as AOR RPGs, select the **Edit More** button and repeat steps 5 through 8.

9. Once all edits are made, select the **Configure Now** button. The `Configure OPUP` window displays.

10. Select **Configure OPUP** and **Yes**. This process will take approximately 1 minute.

11. When the `OPUP Manager Configure OPUP` window displays, select **Restart OPUP** and **Yes**. The `OPUP Host, Network, and Software Status` window displays. Wait until all servers and workstations show `Started` in the `Software Status` Column.

12. Select the **Return to Main Menu** button. The OPUP is now in an operational state.

Attachment 2

Procedure to Reinitialize the Auto Update Function

1. Login as opupmgr on the server.

2. Launch the OPUP Manager Main Menu (if it doesn't open automatically upon login).

3. Click the **OPUP Workstation Menu** button.

4. Click the **View Workstations** button.

5. Check the `Restart Software` box for the workstation with the problem. Multiple workstations can be selected if needed.

6. Click the **Restart Software** button to restart the problem workstation.

7. Wait a few minutes for the workstation to restart.